

Todd Gouin

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

4,792
citations

109137

35
h-index

174990

52
g-index

53
all docs

53
docs citations

53
times ranked

5209
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceuticals and Personal Care Products in the Environment: What Are the Big Questions?. <i>Environmental Health Perspectives</i> , 2012, 120, 1221-1229.	2.8	1,033
2	A Thermodynamic Approach for Assessing the Environmental Exposure of Chemicals Absorbed to Microplastic. <i>Environmental Science & Technology</i> , 2011, 45, 1466-1472.	4.6	366
3	Evidence for the "grasshopper" effect and fractionation during long-range atmospheric transport of organic contaminants. <i>Environmental Pollution</i> , 2004, 128, 139-148.	3.7	189
4	Passive and Active Air Samplers as Complementary Methods for Investigating Persistent Organic Pollutants in the Great Lakes Basin. <i>Environmental Science & Technology</i> , 2005, 39, 9115-9122.	4.6	181
5	Quality Criteria for Microplastic Effect Studies in the Context of Risk Assessment: A Critical Review. <i>Environmental Science & Technology</i> , 2020, 54, 11692-11705.	4.6	172
6	Passive sampling methods for contaminated sediments: Scientific rationale supporting use of freely dissolved concentrations. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 197-209.	1.6	153
7	Global pilot study for persistent organic pollutants (POPs) using PUF disk passive air samplers. <i>Environmental Pollution</i> , 2006, 144, 445-452.	3.7	151
8	Selecting internally consistent physicochemical properties of organic compounds. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 941-953.	2.2	149
9	Air-Surface Exchange of Polybrominated Diphenyl Ethers and Polychlorinated Biphenyls. <i>Environmental Science & Technology</i> , 2002, 36, 1426-1434.	4.6	146
10	Modelling the environmental fate of the polybrominated diphenyl ethers. <i>Environment International</i> , 2003, 29, 717-724.	4.8	146
11	Plastics in the marine environment. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 5-10.	2.2	115
12	Comparison of Four Active and Passive Sampling Techniques for Pesticides in Air. <i>Environmental Science & Technology</i> , 2010, 44, 3410-3416.	4.6	113
13	Variability of concentrations of polybrominated diphenyl ethers and polychlorinated biphenyls in air: implications for monitoring, modeling and control. <i>Atmospheric Environment</i> , 2005, 39, 151-166.	1.9	110
14	Spatial and temporal pattern of pesticides in the global atmosphere. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1650.	2.1	106
15	Influence of global climate change on chemical fate and bioaccumulation: The role of multimedia models. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 20-31.	2.2	102
16	Field Testing Passive Air Samplers for Current Use Pesticides in a Tropical Environment. <i>Environmental Science & Technology</i> , 2008, 42, 6625-6630.	4.6	98
17	Screening Chemicals for Persistence in the Environment. <i>Environmental Science & Technology</i> , 2000, 34, 881-884.	4.6	96
18	Toward an Improved Understanding of the Ingestion and Trophic Transfer of Microplastic Particles: Critical Review and Implications for Future Research. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1119-1137.	2.2	96

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19	Temperature Dependence of the Characteristic Travel Distance. <i>Environmental Science & Technology</i> , 2003, 37, 766-771.	4.6	91
20	Concentrations of decabromodiphenyl ether in air from Southern Ontario: Implications for particle-bound transport. <i>Chemosphere</i> , 2006, 64, 256-261.	4.2	78
21	Assessing the potential for rhizoremediation of PCB contaminated soils in northern regions using native tree species. <i>Chemosphere</i> , 2011, 84, 199-206.	4.2	70
22	Toward the Development and Application of an Environmental Risk Assessment Framework for Microplastic. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2087-2100.	2.2	69
23	Time Trends of Arctic Contamination in Relation to Emission History and Chemical Persistence and Partitioning Properties. <i>Environmental Science & Technology</i> , 2007, 41, 5986-5992.	4.6	59
24	Applying the skin sensitisation adverse outcome pathway (AOP) to quantitative risk assessment. <i>Toxicology in Vitro</i> , 2014, 28, 8-12.	1.1	59
25	Exposure and toxicity characterization of chemical emissions and chemicals in products: global recommendations and implementation in USEtox. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 899-915.	2.2	58
26	Risk-based management framework for microplastics in aquatic ecosystems. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	56
27	Comparison of two methods for obtaining degradation half-lives. <i>Chemosphere</i> , 2004, 56, 531-535.	4.2	50
28	Atmospheric concentrations of current-use pesticides across south-central Ontario using monthly-resolved passive air samplers. <i>Atmospheric Environment</i> , 2008, 42, 8096-8104.	1.9	48
29	The influence of global climate change on the scientific foundations and applications of Environmental Toxicology and Chemistry: Introduction to a SETAC international workshop. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 13-19.	2.2	48
30	Environmental fate and exposure models: advances and challenges in 21 st century chemical risk assessment. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 58-71.	1.7	48
31	Polychlorinated Naphthalenes in Great Lakes Air: Assessing Spatial Trends and Combustion Inputs Using PUF Disk Passive Air Samplers. <i>Environmental Science & Technology</i> , 2006, 40, 5333-5339.	4.6	46
32	Neutral polyfluoroalkyl substances in the global Atmosphere. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 404-413.	1.7	46
33	Development of screening criteria for microplastic particles in air and atmospheric deposition: critical review and applicability towards assessing human exposure. <i>Microplastics and Nanoplastics</i> , 2021, 1, .	4.1	42
34	A chemical activity approach to exposure and risk assessment of chemicals. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1235-1251.	2.2	40
35	Using Benchmarking To Strengthen the Assessment of Persistence. <i>Environmental Science & Technology</i> , 2017, 51, 4-11.	4.6	38
36	Spatial and Temporal Trends of Chiral Organochlorine Signatures in Great Lakes Air Using Passive Air Samplers. <i>Environmental Science & Technology</i> , 2007, 41, 3877-3883.	4.6	37

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37	Prioritising chemicals used in personal care products in China for environmental risk assessment: Application of the RAIDAR model. <i>Environmental Pollution</i> , 2012, 165, 208-214.	3.7	37
38	Levels and Seasonal Variability of Pesticides in the Rural Atmosphere of Southern Ontario. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 1077-1084.	2.4	34
39	Routes of uptake of diclofenac, fluoxetine, and triclosan into sediment-dwelling worms. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 836-842.	2.2	30
40	Simulated use and wash-off release of decamethylcyclopentasiloxane used in anti-perspirants. <i>Chemosphere</i> , 2013, 93, 726-734.	4.2	29
41	Polycyclic aromatic hydrocarbons in air and snow from Fairbanks, Alaska. <i>Atmospheric Pollution Research</i> , 2010, 1, 9-15.	1.8	26
42	Current-use pesticide transport to Costa Rica's high-altitude tropical cloud forest. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2709-2717.	2.2	24
43	Addressing the importance of microplastic particles as vectors for long-range transport of chemical contaminants: perspective in relation to prioritizing research and regulatory actions. <i>Microplastics and Nanoplastics</i> , 2021, 1, .	4.1	21
44	Screening and prioritization of nano- and microplastic particle toxicity studies for evaluating human health risks – development and application of a toxicity study assessment tool. <i>Microplastics and Nanoplastics</i> , 2022, 2, 2.	4.1	20
45	The precautionary principle and environmental persistence: prioritizing the decision-making process. <i>Environmental Science and Policy</i> , 2010, 13, 175-184.	2.4	17
46	Cyclic volatile methyl siloxanes in the environment. <i>Chemosphere</i> , 2013, 93, 709-710.	4.2	15
47	Clarifying the absence of evidence regarding human health risks to microplastic particles in drinking-water: High quality robust data wanted. <i>Environment International</i> , 2021, 150, 106141.	4.8	12
48	Selecting internally consistent physicochemical properties of organic compounds. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 941-53.	2.2	11
49	Modeling in environmental chemistry. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 10-11.	1.7	6
50	Policy by analogy: precautionary principle, science and polybrominated diphenyl ethers. <i>International Journal of Global Environmental Issues</i> , 2005, 5, 54.	0.1	2
51	Chapter 6 Towards quantitative monitoring of semivolatile organic compounds using passive air samplers. <i>Comprehensive Analytical Chemistry</i> , 2007, , 125-137.	0.7	2
52	Vegetation-air exchange facilitates the long-range transport of some SVOCs. <i>Stochastic Environmental Research and Risk Assessment</i> , 2003, 17, 241-243.	1.9	1
53	Clarifying the importance of microplastic particles as vectors for long-range transport of chemical contaminants: a response to letter to the editor. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	0